WASTE SITE RECLASSIFICATION FORM

Date Submitted: 5/30/2011	Operable Unit(s): 100-KR-2	Control Number: 2011-026
Originator: R. C. Havenor	Waste Site Code: 118-KW-2	
Phone: 376-0981	Type of Reclassification Action:	
	Closed Out ☐ Interim Closed Out ☒ No Action ☐ RCRA Postclosure ☐ Rejected ☐ Consolidated ☐	

This form documents agreement among parties listed authorizing classification of the subject unit as Closed Out, Interim Closed Out, No Action, RCRA Postclosure, Rejected, or Consolidated.

Description of current waste site condition:
The 118-KW-2 Waste Site is also called the 105-KW Horizontal Control Rod Storage Cave. It was used for temporary storage of radioactive rod tips associated with the 105-KW Reactor for radioactive decay pending subsequent disposal. 118-KW-2 was constructed by first pouring a concrete slab 18 m (60 ft) long by 2.4 m (8 ft) wide. Two sections of 61 cm (24 in.) steel pipe were then cut in half lengthwise, and laid open-side down on the slab. Vertical concrete walls and steel doors were added to the ends of the pipe sections, with the walls forming a wing at each end. The pipe sections were then covered with 1.8 m (6 ft) of clean fill material, forming a 12 m (40 ft) long tunnel. The berm width after the fill material was added to the outside was approximately 8 m (25 ft).

The entire 118-KW-2 Waste Site structure, including the concrete slab, was removed in November 2010. The interim action consisted of successful removal and disposal of the entire 118-KW-2 Waste Site. The 118-KW-2 Waste Site was identified as both a facility requiring demolition, and as a waste site subject to remediation. The demolition and remediation activity for the 118-KW-2 Waste Site satisfies the requirements of both of the *Comprehensive Environmental Response, Compensation, and Liability Act of 1980* (CERCLA) decision documents. The actions were taken in accordance with the *Action Memorandum for the Non-Time-Critical Removal Action for the 100-K Area Ancillary Facilities* (Action Memorandum) (EPA, 2005) and the *Interim Action Record of Decision for the 100-BC-1, 100-BC-2, 100-DR-1, 100-DR-2, 100-FR-1, 100-FR-2, 100-HR-1, 100-HR-2, 100-KR-1, 100-KR-2, 100-IU-2, 100-IU-6 and 200-CW-3 Operable Units, Hanford Site, Benton County, Washington* (100 Area Remaining Sites Record of Decision [ROD]) (EPA/ROD/R10-99/039). Completion of the removal action in accordance with the Action Memorandum (EPA, 2005) for the 105-KW Horizontal Control Rod Storage Cave is documented separately.

The 118-KW-2 Waste Site was incorporated into the *Remedial Design Report/Remedial Action Work Plan for the 100 Area* (RDR/RAWP for the 100 Area) (DOE/RL-96-17) as documented in the *Hanford Federal Facility Agreement and Consent Order* (Tri-Party Agreement) (Ecology et al., 1989) change notice TPA-CN-320 (2010). The 118-KW-2 Waste Site was incorporated into the 100 Area Remaining Sites ROD (EPA/ROD/R10-99/039) through the *100 Area "Plug-In" and Candidate Waste Sites for Fiscal Year 2010* Tri Party Agreement Fact Sheet (Ecology et al., 2011).

The remedial action objectives of the ROD have been achieved based on the removal of the waste site. The site footprint was surveyed, which confirmed that there was no residual radiological contamination. Because no waste or waste constituents were left in place at the completion of closure, no post closure controls or monitoring is anticipated.

Basis for reclassification:
The current site conditions achieve the remedial action objectives established in 100 Area Remaining Sites ROD (EPA/ROD/R10-99/039) following the requirements of the RDR/RAWP for the 100 Area (DOE/RL-96-17) and the SAP (DOE/RL-96-22) and supports reclassification of this site to Interim Closed Out. In accordance with the RDR/RAWP for the 100 Area (DOE/RL-96-17), the removal and disposal of waste site 118-KW-2 supports future land uses that can be represented (or bounded) by a rural-residential exposure scenario. The basis for reclassification is described in detail in the *Remaining Sites Verification Package for the 100-KR-2 Operable Unit Waste Site 118-KW-2*, DOE/RL-2011-35 (attached).

Waste Site Controls:
Engineered Controls: Yes ☐ No ☒ Institutional Controls: Yes ☐ No ☒ O&M requirements: Yes ☐ No ☒

T. K. Teynor DOE Federal Project Director (printed)	Signature	JUNE 14, 2011 Date
R. A. Lobos EPA Project Manager (printed)	Signature	June 14, 2011 Date